

FIRST IN FIRST OUT HYDRATION TANKS

Abstract of the Disclosure

A hydration tank provided with an interior rotating vessel located between a stationary wall of the hydration tank and a stationary wall of a central inlet tube provided centrally within the tank. Liquid flows downward into the tank via a central inlet tube, then upward between the inlet tube and the rotating vessel, and then again downward between the rotating vessel and the tank wall to the exit. Horizontal vanes are provided on both the inside and outside of the rotating vessel that interleaf with horizontally extending stationary vanes provided on the wall of the tank and the central inlet tube. Together, the stationary and rotating vanes constantly mix the liquid in a direction that is normal to the direction of flow of the liquid without interfering with flow of the liquid through the tank.